Carmen CÃ³rdoba-Jabonero

List of Publications by Year
in descending order

41 papers	616 citations	687363 13 h-index	610901 24 g-index
51 all docs	51 docs citations	51 times ranked	844 citing authors

#	Article	IF	Citations
1	Aerosol radiative impact during the summer 2019 heatwave produced partly by an inter-continental Saharan dust outbreak â€“ Part 2: Long-wave and net dust direct radiative effect. Atmospheric Chemistry and Physics, 2022, 22, 1921-1937.	4.9	4
2	Volcanic Eruption of Cumbre Vieja, La Palma, Spain: A First Insight to the Particulate Matter Injected in the Troposphere. Remote Sensing, 2022, 14, 2470.	4.0	10
3	Conceptualizing the Impact of Dust-Contaminated Infrared Radiances on Data Assimilation for Numerical Weather Prediction. Journal of Atmospheric and Oceanic Technology, 2021, 38, 209-221.	1.3	3
4	Aerosol radiative impact during the summer 2019 heatwave produced partly by an inter-continental Saharan dust outbreak â€“ Part 1: Short-wave dust direct radiative effect. Atmospheric Chemistry and Physics, 2021, 21, 6455-6479.	4.9	12
5	Experimental assessment of a micro-pulse lidar system in comparison with reference lidar measurements for aerosol optical properties retrieval. Atmospheric Measurement Techniques, 2021, 14, 5225-5239.	3.1	10
6	GRASP retrievals in synergy with both polarized Micro-Pulse Lidar and Sun/Sky photometer measurements to derive optical and microphysical properties of aged smoke plumes. , 2021, , .		0
7	Vertical assessment of the mineral dust optical and microphysical properties as retrieved from the synergy between polarized micro-pulse lidar and sun/sky photometer observations using GRASP code. Atmospheric Research, 2021, 264, 105818.	4.1	5
8	Cirrus-induced shortwave radiative effects depending on their optical and physical properties: Case studies using simulations and measurements. Atmospheric Research, 2020, 246, 105095.	4.1	2
9	Performance of a dust model to predict the vertical mass concentration of an extreme Saharan dust event in the Iberian Peninsula: Comparison with continuous, elastic, polarization-sensitive lidars. Atmospheric Environment, 2019, 214, 116828.	4.1	10
10	Ground/space, passive/active remote sensing observations coupled with particle dispersion modelling to understand the inter-continental transport of wildfire smoke plumes. Remote Sensing of Environment, 2019, 232, 111294.	11.0	30
11	The unprecedented 2017â€“2018 stratospheric smoke event: decay phase and aerosol properties observed with the EARLINET. Atmospheric Chemistry and Physics, 2019, 19, 15183-15198.	4.9	83
12	Cirrus clouds properties derived from polarized micro pulse lidar (p-mpl) observations at the atmospheric observatory â€˜el arenosilloâ€™ (sw iberian peninsula): a case study for radiative implications. EPJ Web of Conferences, 2018, 176, 05042.	0.3	0
13	Vertical separation of the atmospheric aerosol components by using poliphon retrieval in polarized micro pulse lidar (P-MPL) measurements: case studies of specific climate-relevant aerosol types. EPJ Web of Conferences, 2018, 176, 05041.	0.3	0
14	Separation of the optical and mass features of particle components in different aerosol mixtures by using POLIPHON retrievals in synergy with continuous polarized Micro-Pulse Lidar (P-MPL) measurements. Atmospheric Measurement Techniques, 2018, 11, 4775-4795.	3.1	26
15	Dust and dust storms over Kuwait: Ground-based and satellite observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 105-113.	1.6	22
16	Estimation of the atmospheric boundary layer height during different atmospheric conditions: a comparison on reliability of several methods applied to lidar measurements. International Journal of Remote Sensing, 2017, 38, 3203-3218.	2.9	18
17	Diversity on subtropical and polar cirrus clouds properties as derived from both ground-based lidars and CALIPSO/CALIOP measurements. Atmospheric Research, 2017, 183, 151-165.	4.1	9
18	Saharan and Arabian Dust Aerosols: A Comparative Case Study of Lidar Ratio. EPJ Web of Conferences, 2016, 119, 08002.	0.3	2

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19	Lidar Ratio Derived for Pure Dust Aerosols: Multi-Year Micro Pulse Lidar Observations in a Saharan Dust-Influenced Region. EPJ Web of Conferences, 2016, 119, 23017.	0.3	3
20	Vertical mass impact and features of Saharan dust intrusions derived from ground-based remote sensing in synergy with airborne in-situ measurements. Atmospheric Environment, 2016, 142, 420-429.	4.1	12
21	Subtropical and Polar Cirrus Clouds Characterized by Ground-Based Lidars and CALIPSO/CALIOP Observations. EPJ Web of Conferences, 2016, 119, 16012.	0.3	0
22	Cluster Analysis: A New Approach Applied to Lidar Measurements for Atmospheric Boundary Layer Height Estimation. Journal of Atmospheric and Oceanic Technology, 2014, 31, 422-436.	1.3	24
23	Active remote sensing observations for cirrus clouds profiling at subtropical and polar latitudes. , 2014, , .		0
24	Multi-platform in-situ and remote sensing techniques to derive Saharan dust properties during AMISOC-TNF 2013. , 2014, , .		0
25	Study of vertically resolved aerosol properties over an urban background site in Madrid (Spain). International Journal of Remote Sensing, 2014, 35, 2311-2326.	2.9	8
26	Depolarization ratio of polar stratospheric clouds in coastal Antarctica: comparison analysis between ground-based Micro Pulse Lidar and space-borne CALIOP observations. Atmospheric Measurement Techniques, 2013, 6, 703-717.	3.1	8
27	Stratospheric AOD after the 2011 eruption of Nabro volcano measured by lidars over the Northern Hemisphere. Environmental Research Letters, 2012, 7, 034013.	5.2	67
28	Synergetic monitoring of Saharan dust plumes and potential impact on surface: a case study of dust transport from Canary Islands to Iberian Peninsula. Atmospheric Chemistry and Physics, 2011, 11, 3067-3091.	4.9	83
29	Aerosol Lidar Intercomparison in the Framework of SPALINETâ€"The Spanish Lidar Network: Methodology and Results. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3547-3559.	6.3	30
30	Polar Stratospheric Cloud Observations in the 2006/07 Arctic Winter by Using an Improved Micropulse Lidar. Journal of Atmospheric and Oceanic Technology, 2009, 26, 2136-2148.	1.3	5
31	Influence of aerosol multiple scattering of ultraviolet radiation on martian atmospheric sensing. Icarus, 2007, 190, 492-503.	2.5	9
32	Radiative habitable zones in martian polar environments. Icarus, 2005, 175, 360-371.	2.5	23
33	Coupling of Climate Change and Biotic UV Exposure Through Changing Snowâ€ice Covers in Terrestrial Habitats^{Â¶}. Photochemistry and Photobiology, 2004, 79, 26-31.	2.5	4
34	Coupling of Climate Change and Biotic UV Exposure Through Changing Snowâ€"Ice Covers in Terrestrial HabitatsÂ¶. Photochemistry and Photobiology, 2004, 79, 26.	2.5	1
35	Coupling of climate change and biotic UV exposure through changing snow-ice covers in terrestrial habitats. Photochemistry and Photobiology, 2004, 79, 26-31.	2.5	13
36	Solar ultraviolet transfer in the Martian atmosphere: biological and geological implications. Planetary and Space Science, 2003, 51, 399-410.	1.7	32

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37	<title>Characterization of atmospheric aerosols by an in-situ photometric technique in planetary environments</title>. , 2003, , .		1
38	Solar ultraviolet-B detectors using Eu2+ doped alkali halide crystals. Journal of Alloys and Compounds, 2001, 323-324, 847-850.	5.5	6
39	UV-B irradiance at Madrid during 1996, 1997, and 1998. Journal of Geophysical Research, 2000, 105, 4903-4906.	3.3	8
40	Title is missing!. Journal Physics D: Applied Physics, 1997, 30, 3024-3027.	2.8	24
41	Comparison of total ozone measurements from a differential optical absorption filter instrument and a Dobson spectrophotometer. International Journal of Remote Sensing, 1997, 18, 3473-3478.	2.9	5